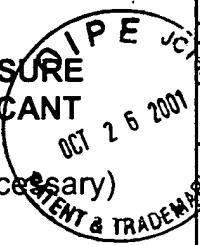


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|----------------------|---------------------------|
| Application Number   | 09/885,723                |
| Filing Date          | June 20, 2001             |
| Confirmation Number  |                           |
| First Named Inventor | Balasulojini Karunanandaa |
| Group Art Unit       | TBA                       |
| Examiner Name        | TBA                       |
| Sheet                | 1                         |
| of                   | 3                         |
| Attorney Docket No.  | MTC 6783.1                |

## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY |
|--------------------|-----------------------|----------------------|--------------------------------------|-------------------------------------------------|-----------------------------------------------------|
|                    |                       | Number               | Kind Code <sup>2</sup><br>(if known) |                                                 |                                                     |
| RK                 | 1                     | 5,306,862            |                                      | Chappell, et al.                                | 04-26-1994                                          |
| RK                 | 2                     | 5,349,126            |                                      | Chappell, et al.                                | 09-20-1994                                          |
| RK                 | 3                     | 5,365,017            |                                      | Chappell, et al.                                | 11-15-1994                                          |
| RK                 | 4                     | 5,460,949            |                                      | Saunders, et al.                                | 10-24-1995                                          |
| RK                 | 5                     | 5,480,805            |                                      | Wolf, et al.                                    | 01-02-1996                                          |
| RK                 | 6                     | 5,589,619            |                                      | Chappell, et al.                                | 12-31-1996                                          |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | T <sup>6</sup> |
|--------------------|-----------------------|-------------------------|---------------------|--------------------------------------|-------------------------------------------------|-----------------------------------------------------|----------------|
|                    |                       | Office                  | Number <sup>4</sup> | Kind Code <sup>2</sup><br>(if known) |                                                 |                                                     |                |
| RK                 | 7                     |                         | WO 93/02187         |                                      | Somerville, et al.                              | 02-04-1993                                          |                |
| RK                 | 8                     |                         | WO 97/03202         |                                      | Phillips, et al.                                | 01-30-1997                                          |                |
| RK                 | 9                     |                         | WO 97/34003         |                                      | Covello, et al.                                 | 09-18-1997                                          |                |

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| Examiner Signature | Russell Kally | Date Considered | 3/17/2003 |
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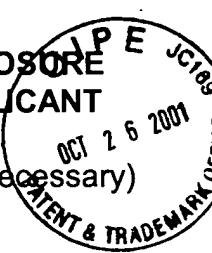
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| First Named Inventor | Balasuljini<br>Karunanandaa |
| Group Art Unit       | TBA                         |
| Examiner Name        | TBA                         |
| Sheet                | 2                           |
| of                   | 3                           |
| Attorney Docket No.  | MTC 6783.1                  |

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|----|----|--|-----------------------------------|--|----------------------|------------|--|
| RK | 10 |  | WO 98/45457                       |  | Kammerer             | 10-15-1998 |  |
| RK | 11 |  | WO 00/61771                       |  | Venkatramesh, et al. | 10-19-2000 |  |
| RK | 12 |  | WO 01/31027 A1                    |  | Harker, et al.       | 03-05-2001 |  |
| RK | 13 |  | EP 0480730A2                      |  | Chappell, et al.     | 04-15-1992 |  |
| RK | 14 |  | EP 0486290A2                      |  | Saunders, et al.     | 05-20-1992 |  |
| RK | 15 |  | JP 09121863<br>(English abstract) |  | Yasunori, et al.     | 05-13-1997 |  |

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

|                    |                       |                                                                                                                                                                                                                                                                |                |
|--------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
| RK                 | 16                    | MIKIRO TADA AND MASAHIRO SHIROISHI, Mechanism of Photoregulated Carotenogenesis in Rhodotorul minuta v. Photoinduction of 3-Hydroxy-3-Methyl Glutaryl Coenzyme A Reductase, Plant & Cell Physiol. 23(4):615-621, 1982, Okayama, Japan                          |                |
| RK                 | 17                    | YODER, JOHN I., et al., "Transformation Systems for Generating Marker-Free Transgenic Plants," Bio/Technology, Vol. 12, March, 1994, pp. 263-267.                                                                                                              |                |
| RK                 | 18                    | GIL, GREGORIO, et al., "Membrane-Bound Domain of HMG CoA Reductase is Required for Sterol-Enhanced Degradation of the Enzyme," Cell, vo. 41, May, 1985, pp. 249-258.                                                                                           |                |
| RK                 | 19                    | SCHALLER, HUBERT, et. al., "Expression of the Hevea brasiliensis (H.B.K.) Müll. Arg. 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase 1 in Tobacco Results in Sterol Overproduction," Plant Physiol., Vol. 109, 1995, pp. 761-770.                              |                |
| RK                 | 20                    | GONZALEZ, et al., Abstract of Poster at Third Terpnet Meeting of the European Network on Plant Isoprenoids, May 29-30, 1997, Poitiers, France.                                                                                                                 |                |

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|--------------------|-----------------------|-----------------|-----------|
| Examiner Signature | <i>Kumar K. Kalhi</i> | Date Considered | 3/17/2003 |
|--------------------|-----------------------|-----------------|-----------|

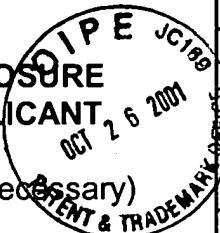
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| Examiner Name        | TBA                       |

Sheet 3 of 3 Attorney Docket No. MTC 6783.1

|    |    |                                                                                                                                                                                                                                                                                                                                  |  |
|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| RK | 21 | DALE, SUSAN, et al., "Bacterial Expression of the Catalytic Domain of 3-hydroxy-3-methylglutaryl-CoA Reductase (Isoform HMGR1) from Arabidopsis Thaliana, and its Inactivation by Phosphorylation at Ser577 by Brassica Oleracea 3-hydroxy-3-methylglutaryl-CoA reductase Kinase," Eur. J. Biochem, Vol. 233, 1995, pp. 506-513. |  |
| RK | 22 | DOWNING, JAMES, F., et al., "The Isolation of two Mutants of Saccharomyces Cerevisiae which Demonstrate Increased Activity of 3-Hydroxy-3-Methylglutaryl Coenzyme a Reductase," Biochemical and Biophysical Research Communications, Vol. 94, No.3, June 16, 1980, pp. 974-979.                                                  |  |
| RK | 23 | CHIN, DANIEL J., et al., "Nucleotide Sequence of 3-hydroxy-3-methyl-glutaryl Coenzyme A Reductase, a Glycoprotein of Endoplasmic Reticulum," Nature, Vol. 308, No. 5960, April 12-18, 1984, pp. 613-617.                                                                                                                         |  |
| RK | 24 | BASSON, MICHAEL E., et al., "Structural and Functional Conservation between Yeast and Human 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductases, the Rate-Limiting Enzyme of Sterol Biosynthesis," Molecular and Cellular Biology, Vol. 8, No. 9, Sept. 1998, pp. 3797-3808.                                                        |  |
| RK | 25 | REGISTER, JAMES, C., et al., "Structure and Function of Selectable and non-selectable Transgenes in Maize after Introduction by Particle Bombardment," Plant Mol. Biol. Vol. 25, 1994, pp. 951-961.                                                                                                                              |  |

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|--------------------|----------------------|-----------------|-----------|
| Examiner Signature | <i>Ramona Kallis</i> | Date Considered | 3/17/2003 |
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| Sheet | 1 | of | 1 | Attorney Docket No. | MTC 6783.1 |
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| <b>.U.S. PATENT DOCUMENTS</b>                      |                       |                                                                                                                                                                                                                                                                |                                      |                                                 |                                                     |
|----------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------|-----------------------------------------------------|
| Examiner Initials*                                 | Cite No. <sup>1</sup> | U.S. Patent Document                                                                                                                                                                                                                                           |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY |
|                                                    |                       | Number                                                                                                                                                                                                                                                         | Kind Code <sup>2</sup><br>(if known) |                                                 |                                                     |
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| <i>RK</i>                                          | 26                    | BARD, et al., Genetic and Biochemical Aspects of Yeast Sterol Regulation Involving 3-Hydroxy-3-methylglutaryl Coenzyme A Reductase, Journal of General Microbiology, 1981, 125:415-420                                                                         |                                      |                                                 |                                                     |

|                    |                      |                 |                  |
|--------------------|----------------------|-----------------|------------------|
| Examiner Signature | <i>Ronald Kallis</i> | Date Considered | <i>3/17/2003</i> |
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